

$$x = r \cos t$$

$$y = r \sin t$$

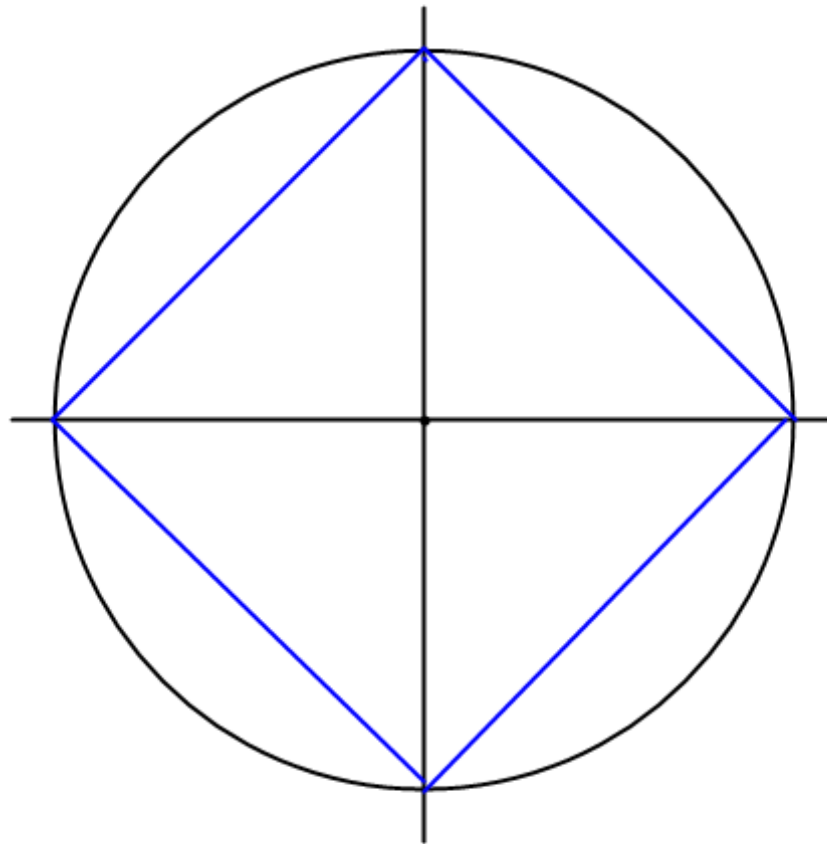
$$r = 4$$

• Investigation

• Sect. 6.4
#1, 3, 6

• Great Gonzo

• Start Studying
Test Fri



$$x = 3 \cos t$$
$$y = 3 \sin t$$

$$t_{\min} = 0 \text{ (start)}$$

$$t_{\max} = 360 \text{ (end)}$$

$$t_{\text{step}} = 90$$

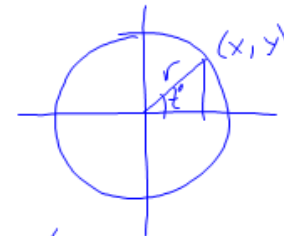
Concept: Geometric ShapesDegree modeSect. 614Rule!

- Basic Circle $x = r \cos t$
 $y = r \sin t$

$$t_{\min} = 0$$

$$t_{\max} = 360$$

$$t_{\text{step}} = 1$$



- change t_{step} to change circle to other figures (may have to change t_{\min} & t_{\max})
- Determine how many times you need to go around to plot the figure (t_{\max})
- Determine the # of vertices $\rightarrow t_{\text{step}} = \frac{t_{\max}}{\# \text{ vertices}}$
- Shift start point with t_{\min} (have to change t_{\max} to balance)
- Move rt/left add or subtract from x
- Move up/down add or subtract with y
- elongate with the r -value